

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                              |   |                        |
|------------------------------|---|------------------------|
| In re Application of:        | ) |                        |
| Jean-Jacques Codani et al.   | ) |                        |
| Application No: 10/723,522   | ) | Art Unit: 1631         |
| Filed: November 26, 2003     | ) | Confirmation No.: 8678 |
| For: SYSTEMS AND METHODS FOR | ) | Examiner: Clow, Lori A |
| SEQUENCE COMPARISON          | ) |                        |

Certificate of Electronic Filing

I hereby certify that this paper is being filed using the EFS-Web electronic filing system on April 28, 2008.

/ Stephen B. Deutsch /

Stephen B. Deutsch

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

In response to the Final Office Action dated December 27, 2007, Applicants submit the following Amendment and Response.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those which may otherwise be provided for in documents accompanying this paper; however, in the event that additional extensions of time are necessary, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a).

The Commissioner is hereby authorized to credit any overpayment or charge any required fees or deficiencies to Deposit Account Number **06-1448, Reference GIO-101**.

As set forth below, please cancel claim 31, and amend claims 2, 4-7, 9, 11-12, 15-19, 32, 47-48, 50 and 54-57.

Applicant respectfully suggests that pending claims 2-22, 26-30, 32-33 and 47-57 are now in condition for allowance.